

Application No.: 09/746,174  
Reply to Office Action of August 25, 2004

Attorney Docket No.: EMC2-085PUS

**Amendments to the Claims**

This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of Claims:**

1. Canceled
2. (previously presented) A method for performing a check of the parity bit of a Cyclic Redundancy Check (CRC) of data, such data comprising a plurality of bytes, each byte having a parity bit, such method comprising:
  - generating parity of the parity bits of the plurality of data bytes;
  - comparing such generated parity with the parity bit of the CRC of the data.
3. (previously presented) A method for determining Cyclic Redundancy Check (CRC) parity of data, such data having byte parity bits, the data having a CRC, comprising:
  - comparing the parity of the byte data parity bits with the parity bit of the CRC of the data.
4. (currently amended) A method comprising:
  - receiving data having a Cyclic Redundancy Check (CRC) and having a plurality of N bytes: [D(0), D(1), ... ,D(N-1)] each byte D(M) having a parity bit P(M);
  - computing the parity of [P(0), P(1), ... P(N-1)]; and
  - comparing the computed parity of the plurality of N bytes of the data with a parity bit of the CRC of the data.
5. (currently amended) A method for computing parity, p, of the Cyclic Redundancy Check (CRC) of data protected with such CRC, comprising:

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receiving data having a plurality of N bytes:  $[D(0), D(1), \dots, D(N-1)]$  each byte  $D(M)$  having a parity bit  $P(M)$ ;  
computing the parity of  $[P(0), P(1), \dots, P(N-1)]$ , such computed parity being equal to the parity  $p$  of the CRC; and  
comparing the computed parity with the parity bit  $p$  of the CRC of the data.

6. (currently amended) A method for determining a parity,  $p$ , error of the Cyclic Redundancy Check (CRC) of data protected with such CRC, comprising:

receiving data having a plurality of N bytes:  $[D(0), D(1), \dots, D(N-1)]$  each byte  $D(M)$  having a parity bit  $P(M)$ ;  
computing the parity,  $PP$ , of  $[P(0), P(1), \dots, P(N-1)]$ ;  
comparing the computed parity  $PP$  with the parity  $p$  of the CRC, a difference between  $PP$  and  $p$  indicating an error in  $p$ .

7. (previously presented) A method for determining a parity error of the Cyclic Redundancy Check (CRC) of DATA, such DATA comprising a series of data words terminating in a CRC portion, such method comprising:

receiving data having a plurality of N bytes:  $[D(0), D(1), \dots, D(N-1)]$  each byte  $D(M)$  having a parity bit  $P(M)$ ;  
computing the parity of  $[P(0), P(1), \dots, P(N-1)]$ ;  
comparing the computed parity with the parity of the CRC, a difference between the computed parity and of the parity of the CRC indicating an error in the parity of the CRC.